

# Hydro Profile



Light Efficiency:



Light Quality:



Color Temperature:



Output: 8918 lm

Peak: 1203564 cd

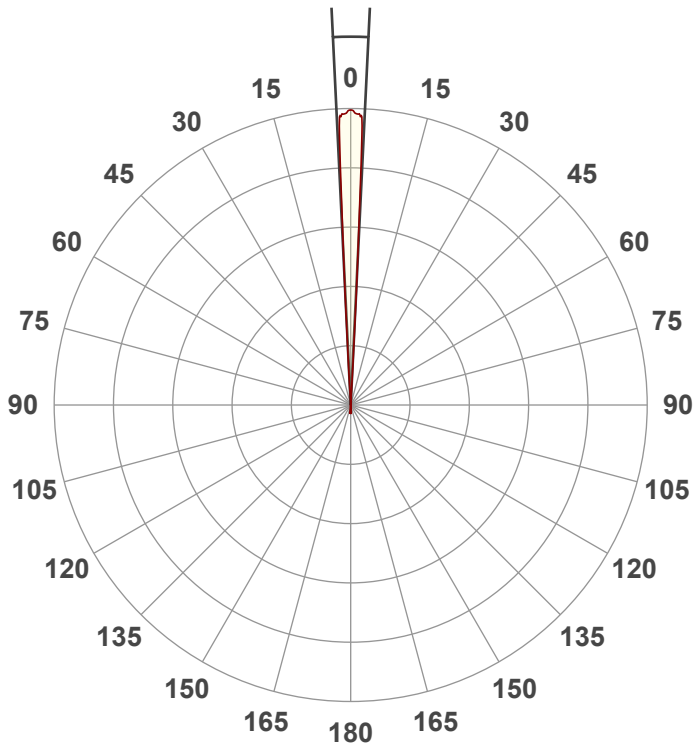
Power: 865.1 W

PF: 1.0



Beam Angle

5.5°



Test:

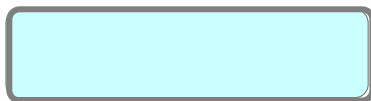
Zoom In 6500K

Date:

7/19/2022

Note:

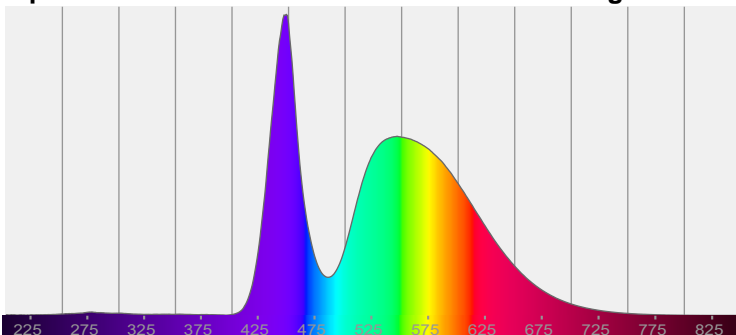
CTO @ 99



CIE 1931  
x: 0.312  
y: 0.333

Spectra

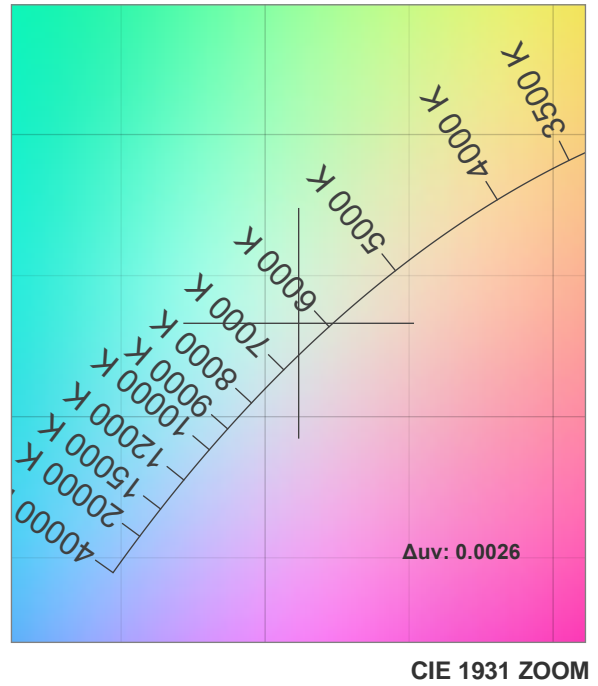
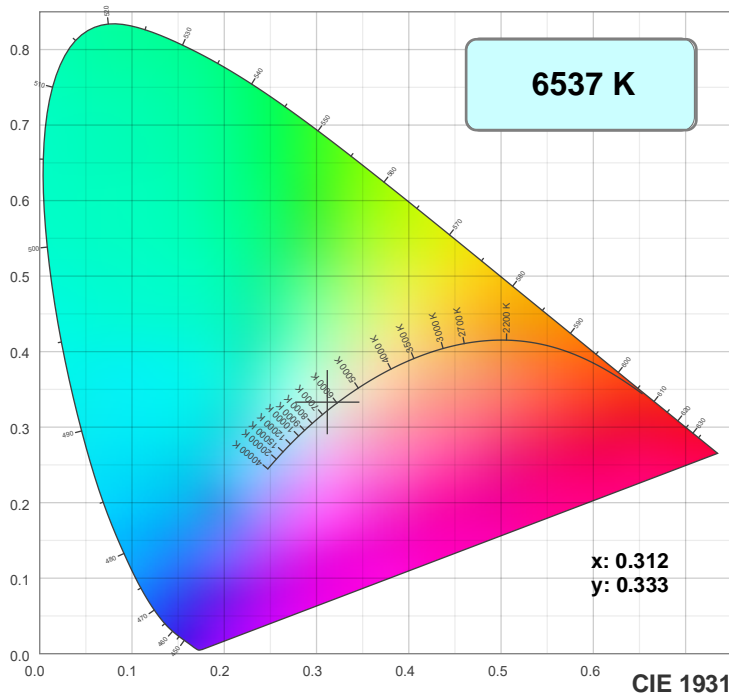
Dominant Wavelength: 535nm



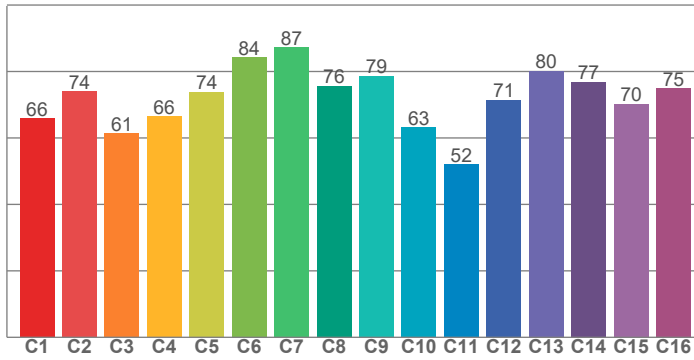
Power

Voltage: 118 V  
Current: 7.31 A  
Frequency: 0 Hz

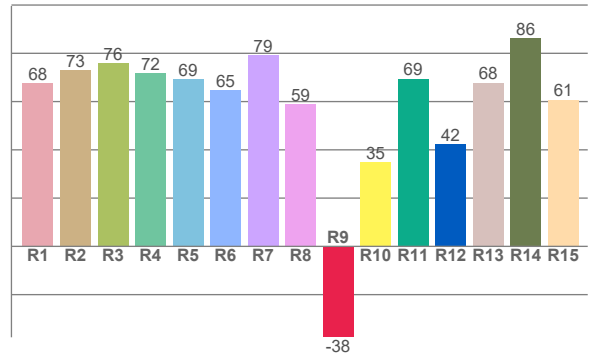
## Color Details



TM30: 71.8



CRI: 70.0 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
67.6	72.8	75.7	71.8	69.2	64.6	79.2	58.9	-37.7	34.8	69.5	42.4	67.8	86.3	60.7

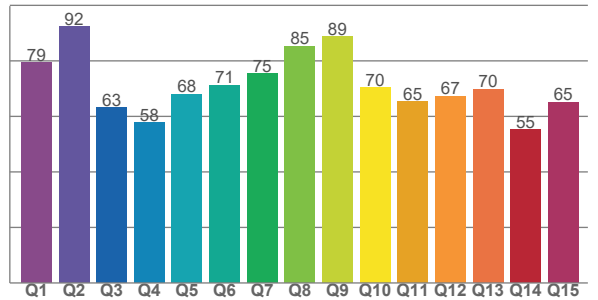
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65.8	74.0	61.4	66.4	73.9	84.3	87.3	75.7	78.7	63.1	52.0	71.5	80.2	76.9	70.2	74.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
79.3	92.4	63.2	57.7	68.1	71.3	75.4	85.3	88.7	70.4	65.3	67.3	69.9	55.2	65.2

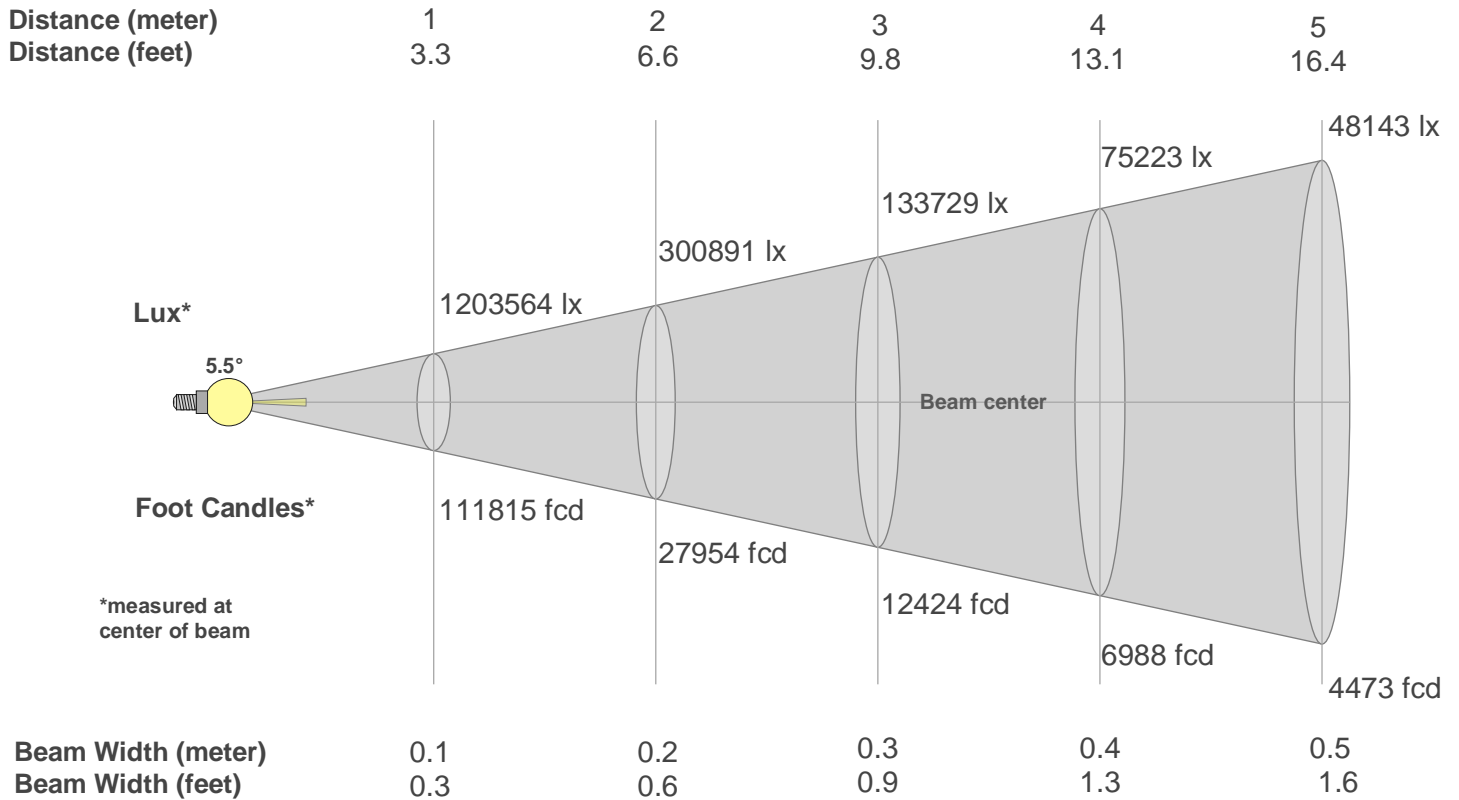
CQS: 69.8



## Color Parameters

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut	Color Quality Scale	Color Coordinate CIE 1931	Color Coordinate CIE 1931	Color Coordinate	Color Coordinate	Color Deviation from Black Body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
6537 K	70.0	-37.7	71.8	92.9	69.8	0.312	0.333	0.196	0.314	0.0026

## Beam Details



Beam Intensities from 1-20m

m	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ft	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
lx	1203564	300891	133729	75223	48143	33432	24563	18806	14859	12036	9947	8358	7122	6141	5349	4701	4165	3715	3334	3009
fcd	111814.7	27953.7	12423.9	6988.4	4472.6	3106	2281.9	1747.1	1380.4	1118.1	924.1	776.5	661.6	570.5	497	436.8	386.9	345.1	309.7	279.5

Intensities in 0° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
1.2M	1.2M	1.2M	0.3M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M
100%	99%	97%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 90° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
1.2M	1.2M	1.2M	0.3M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M
100%	99%	97%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 180° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
1.2M	1.2M	1.2M	0.3M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M
100%	99%	97%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 270° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
1.2M	1.2M	1.2M	0.3M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M	0.0M
100%	99%	97%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
5.5°	6.5°	6.7°	100.0%	100.0%